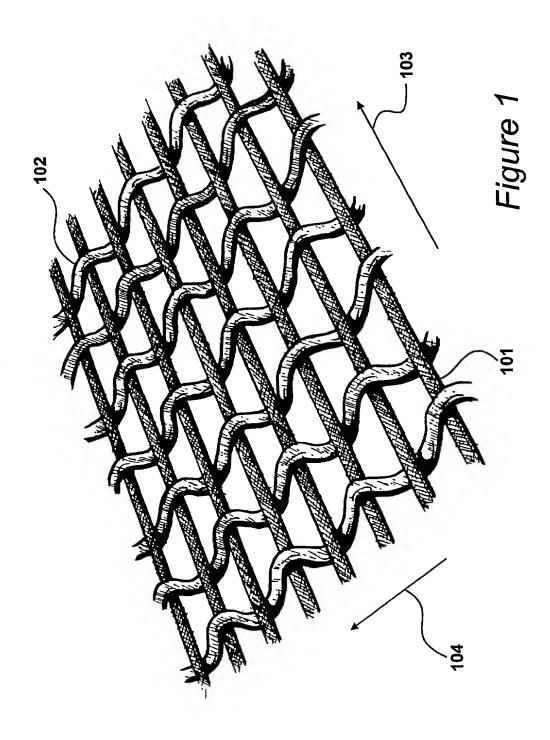
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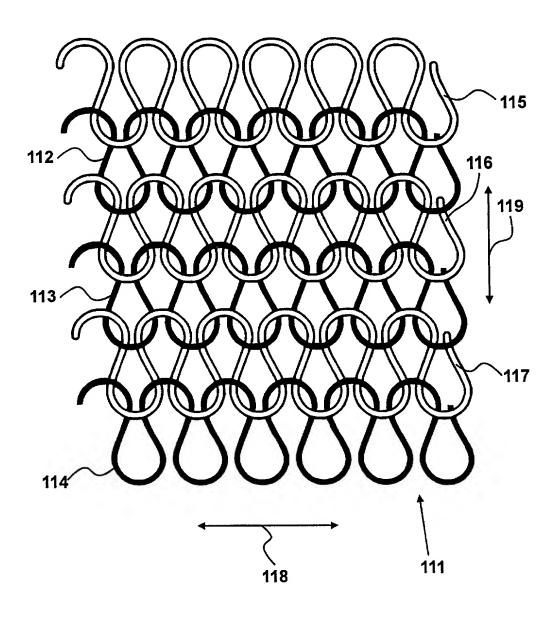


Figure 1A

TOTAL SINGLE

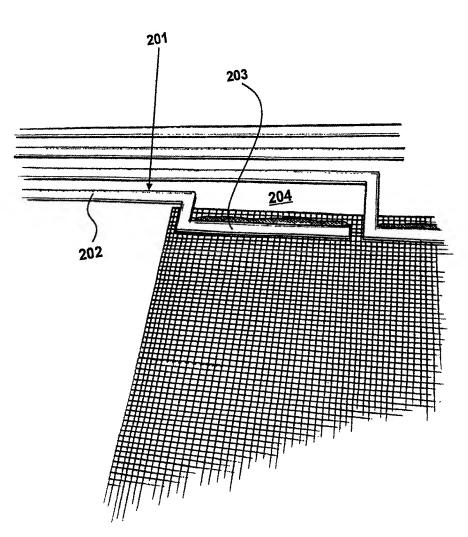


Figure 2

WO 01/75922

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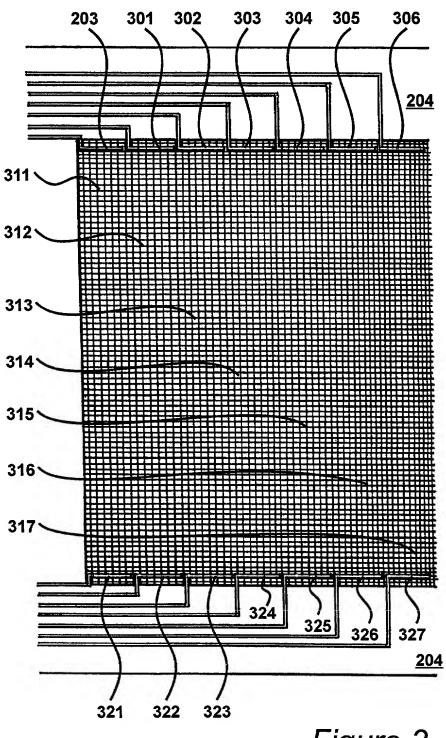


Figure 3

WO 01/75922

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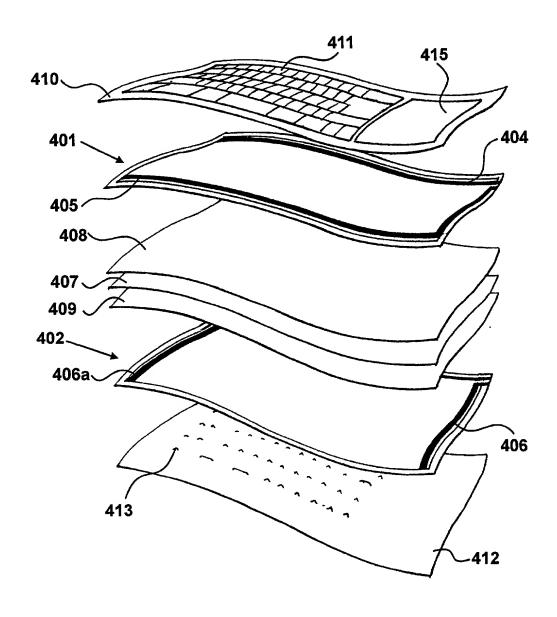
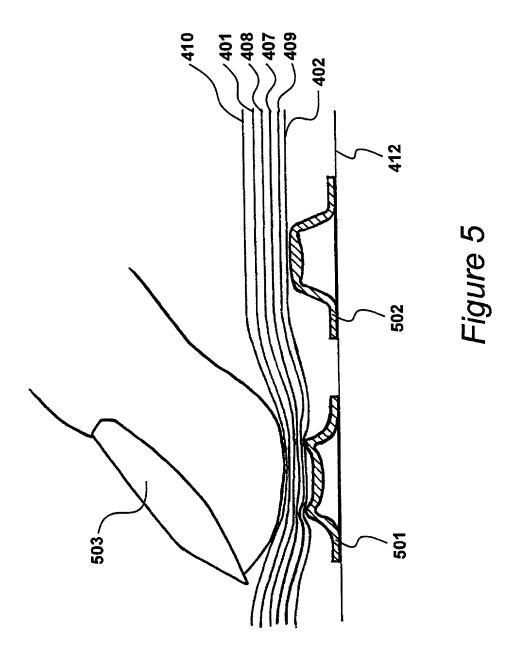


Figure 4



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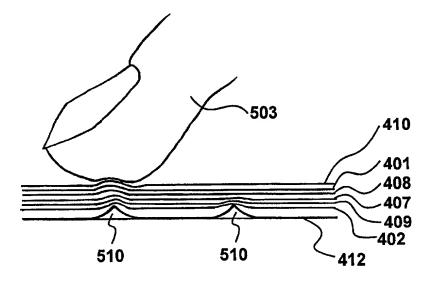


Figure 5A

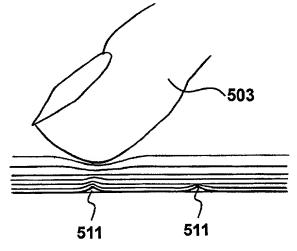


Figure 5B

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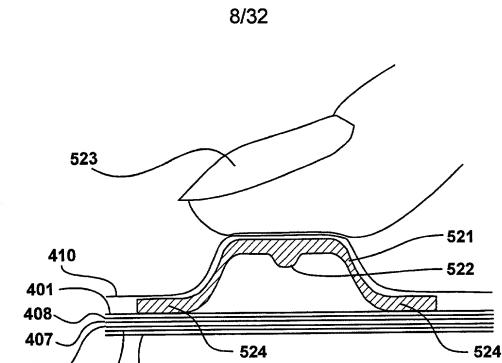
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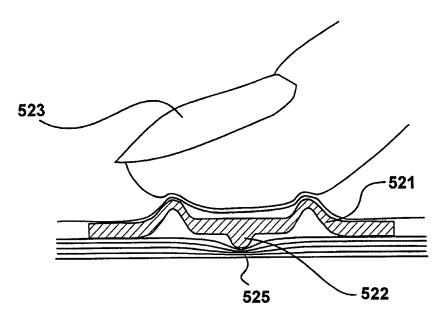


Figure 5C

Figure 5D

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9/32

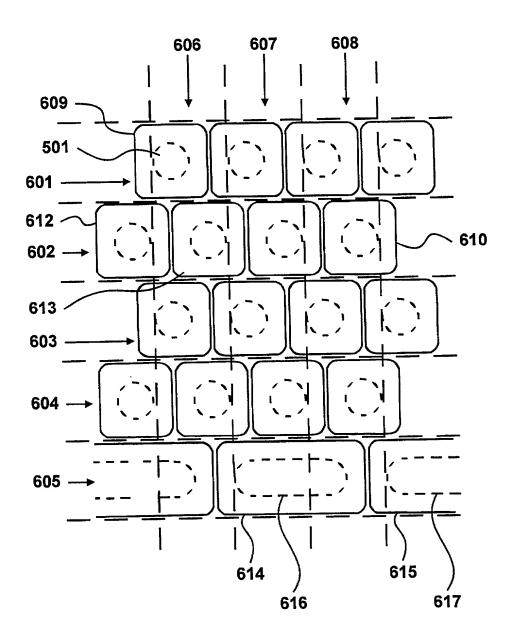
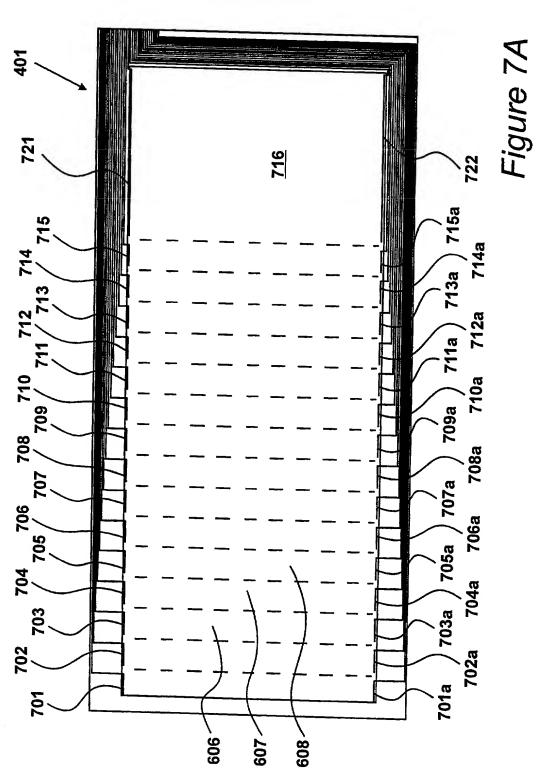


Figure 6

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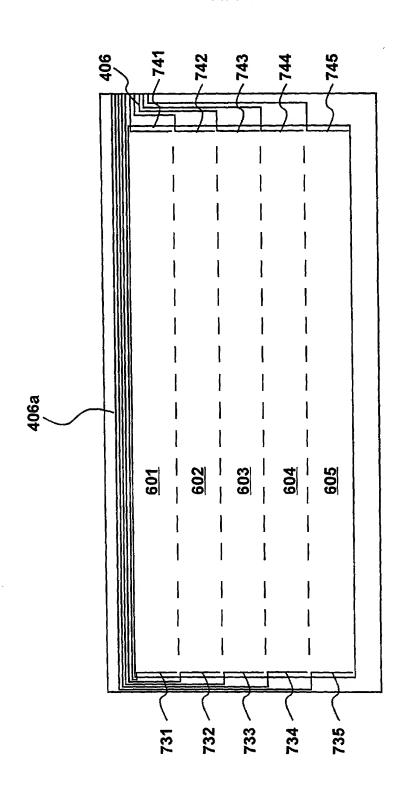
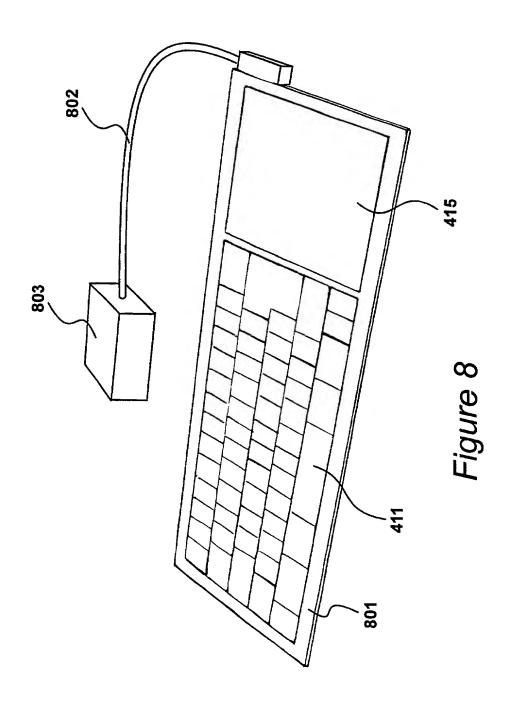


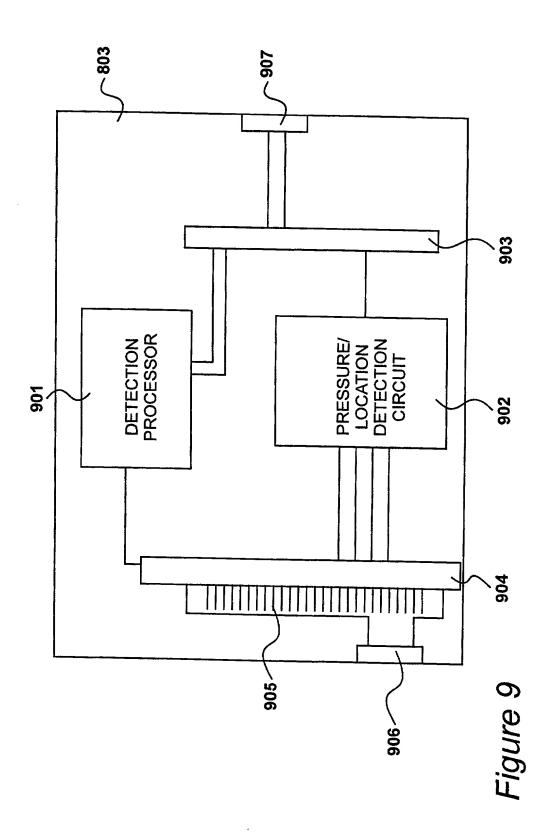
Figure 7E



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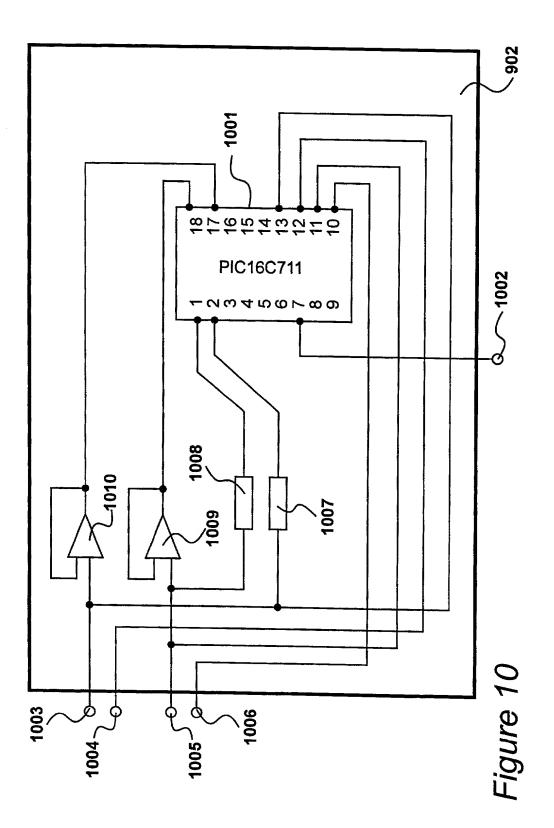
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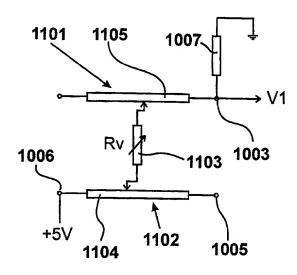
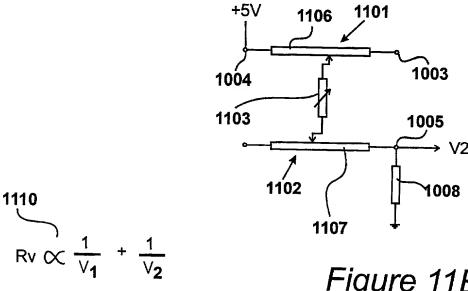


Figure 11A



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Figure 11B

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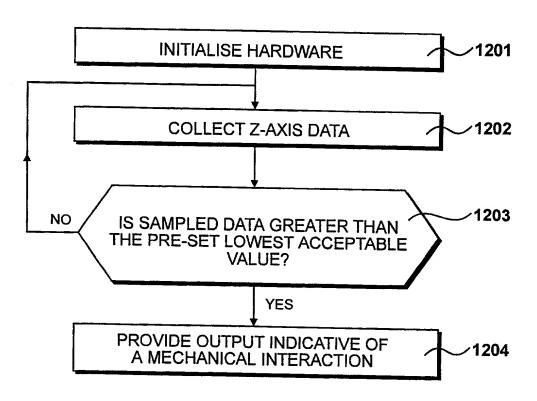
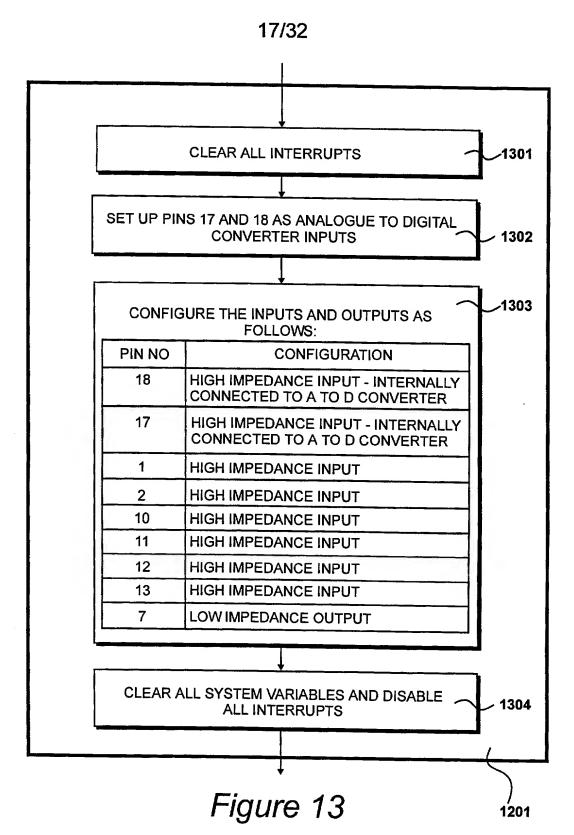


Figure 12

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18/32 1202 CONFIGURE THE INPUTS AND OUTPUTS AS FOLLOWS: PIN NO CONFIGURATION 1401 2 LOW IMPEDANCE OUTPUT 10 LOW IMPEDANCE OUTPUT SET VOLTAGES FOR OUTPUTS AS FOLLOWS: PIN NO CONDITION 1402 **CLEAR TO 0 VOLTS** 2 10 1403 SET TO +5 VOLTS DELAY TO ALLOW VOLTAGES IN THE FABRIC SENSOR TO SETTLE PERFORM ANALOGUE TO DIGITAL CONVERSION MEASURING THE VOLTAGE AT PIN 17 & STORE RESULT AS TEMPORARY VARIABLE V4 CONFIGURE THE INPUTS AND OUTPUTS AS FOLLOWS: 1404 PIN NO CONFIGURATION 2 HIGH IMPEDANCE INPUT 1405 10 HIGH IMPEDANCE INPUT LOW IMPEDANCE OUTPUT 1 12 LOW IMPEDANCE OUTPUT SET VOLTAGES FOR OUTPUTS AS FOLLOWS: CONDITION PIN NO 1406 **CLEAR TO 0 VOLTS** 1 1407 12 SET TO +5 VOLTS DELAY TO ALLOW VOLTAGES IN THE FABRIC SENSOR TO SETTLE PERFORM ANALOGUE TO DIGITAL CONVERSION MEASURING THE VOLTAGE AT PIN 18 AND STORE RESULT AS TEMPORARY VARIABLE V3 1408 PERFORM CALCULATION FOR CORRECTED Z VALUE = 1/((1/4 +(1/4))) 1409 CONFIGURE THE INPUTS AND OUTPUTS AS FOLLOWS: PIN NO CONFIGURATION HIGH IMPEDANCE INPUT 1410 12 HIGH IMPEDANCE INPUT

Figure 14

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19/32

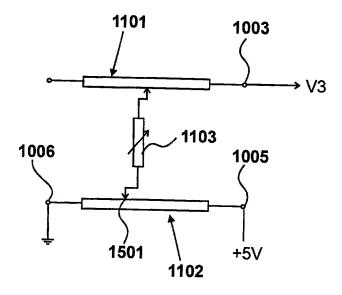


Figure 15A

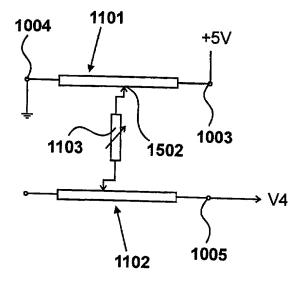


Figure 15B

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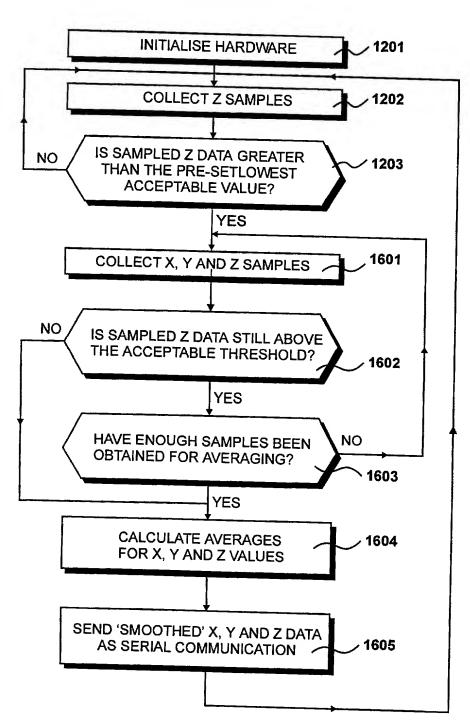


Figure 16

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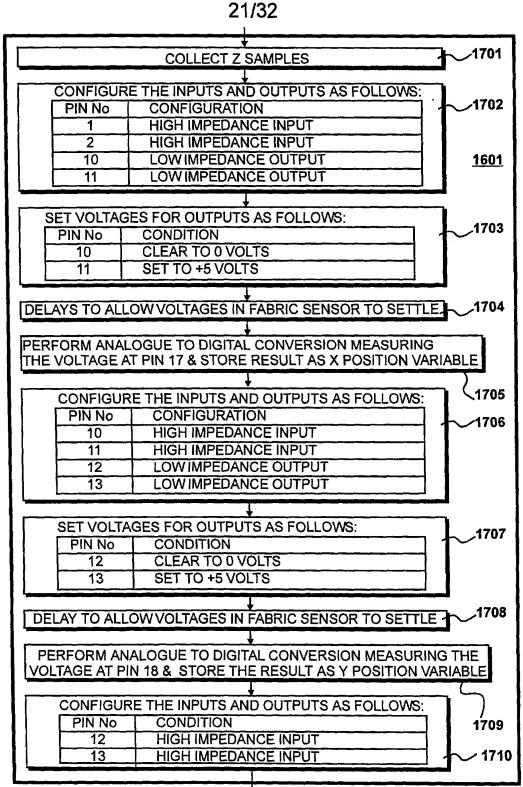


Figure 17

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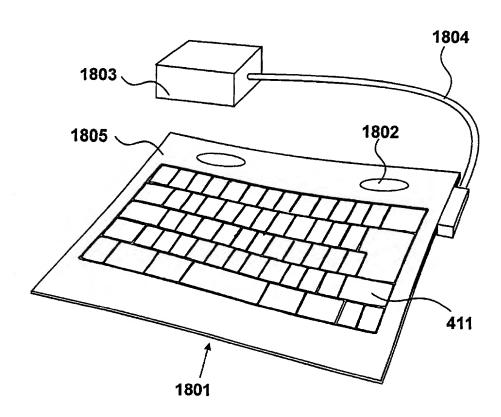


Figure 18

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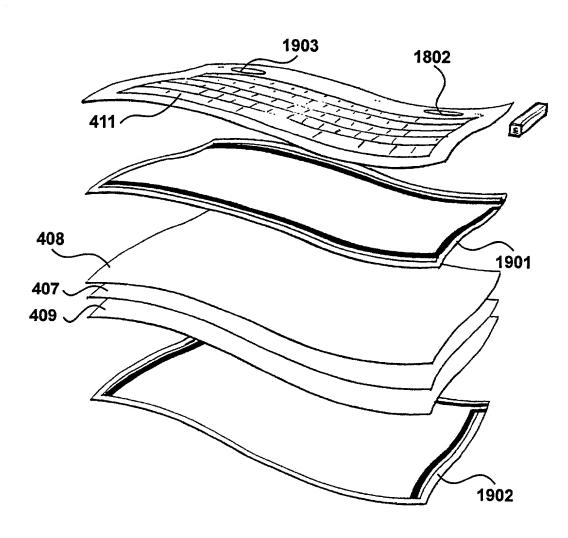
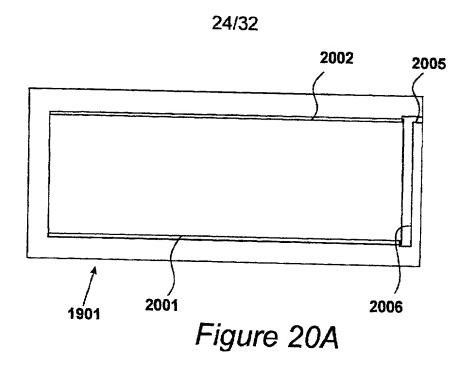


Figure 19



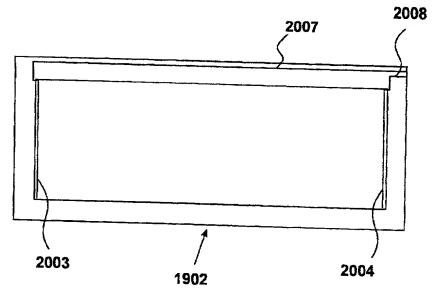


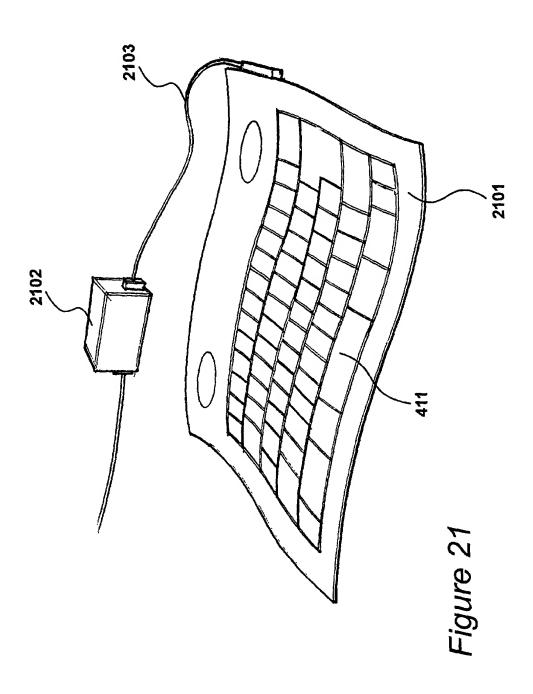
Figure 20B

RECTIFIED SHEET (RULE 91)

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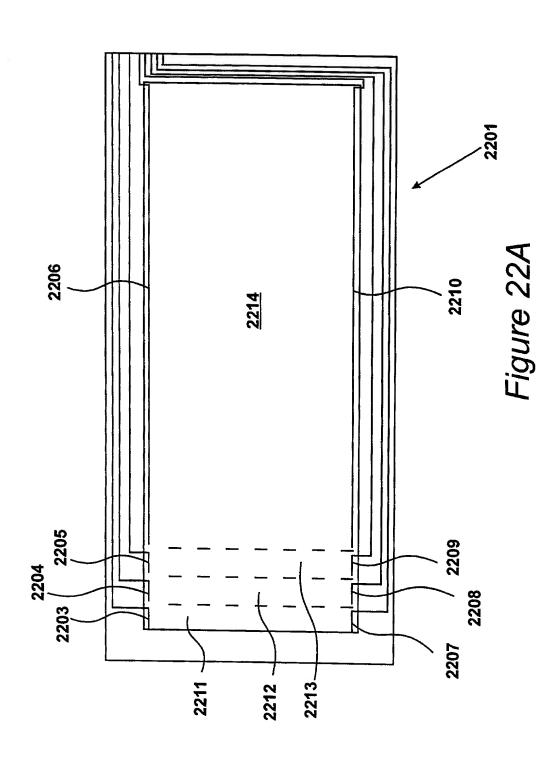
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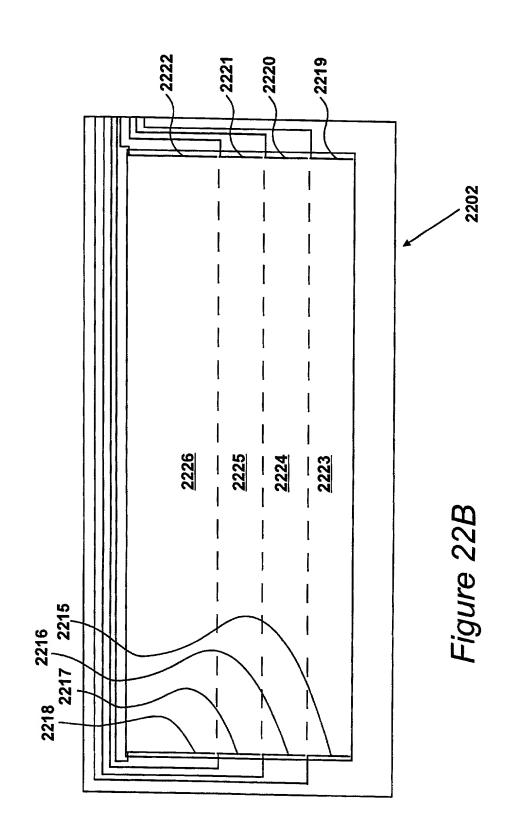
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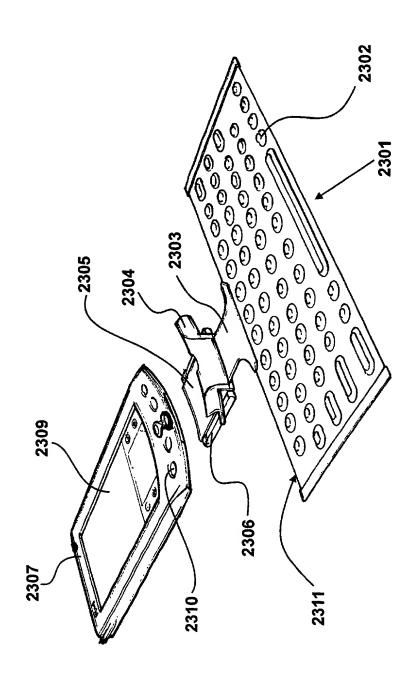
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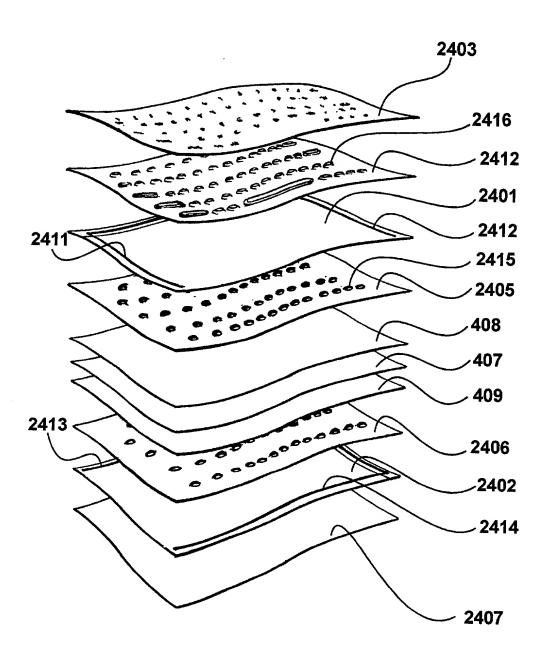


Figure 24

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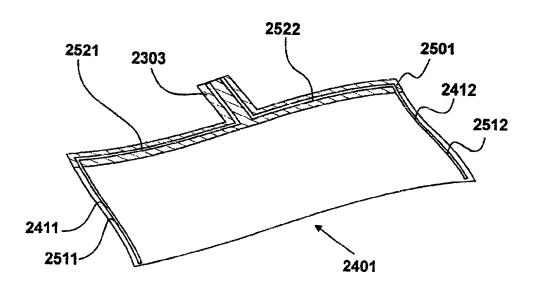


Figure 25A

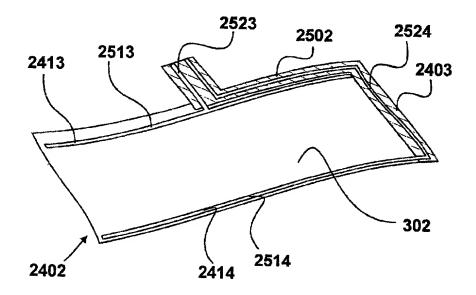
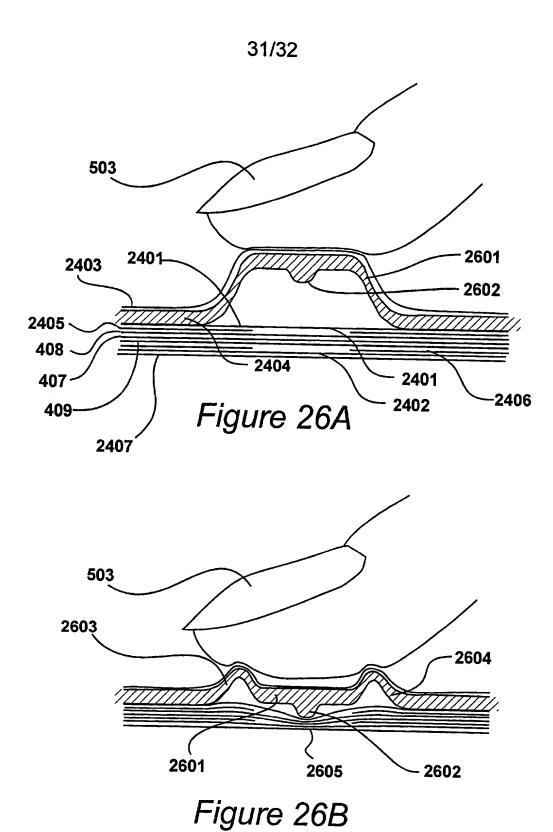


Figure 25B

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